

Abstract of the Disclosure:

The present invention concerns a fuel supply for a fuel cell. The fuel supply includes a fuel storage area configured to hold a fuel solution, a fuel solution outlet configured to pass the fuel solution from the fuel storage area, a waste storage area, a waste inlet configured to pass waste into the waste storage area, and a movable barrier separating the fuel storage area and the waste storage area. The movable barrier is configured to move as fuel solution is passed from the fuel storage area and waste solution is passed into the waste storage area to simultaneously decrease the volume of the fuel storage area and increase the volume of the waste storage area.